<Appendix >
Toshiba Group List of Environment-Related Materials/Substances (in Products) Version 2.2

＜Table 1＞ Rank A: Prohibited materials/substances

No.	Material/substance category	Threshold of concentration to be prohibited in supplies to Toshiba Group	Reference laws and regulations
A01	Asbestos	Prohibition of intentional addition	EU REACH Regulation (Annex XVII), JPN Industrial Safety and Health Law (Prohibition of Manufacturing)
A02	Certain azocolourants and azodyes (only those that may release certain amines)	0.003wt% (30 ppm) for each generated certain Amine	EU REACH Regulation (Annex XVII)
A03	Cadmium and cadmium compounds	0.01wt% (100 ppm) (*1, 2)	EU RoHS Directive, EU REACH Regulation (Annex XVII), EU Packaging Directive
A04	Hexavalent chromium compounds	0.1wt% (1000 ppm) (*1, 2)	EU RoHS Directive, EU REACH Regulation (Annex XVII), EU Packaging Directive
A05	Lead and lead compounds	0.1wt% (1000 ppm) (*1, 2)	EU RoHS Directive, EU REACH Regulation (Annex XVII), EU Packaging Directive
A06	Mercury and mercury compounds	0.1wt% (1000 ppm) (*1, 2)	EU RoHS Directive, EU REACH Regulation (Annex XVII), EU Packaging Directive
A07	Ozone depleting substances (CFCs, HCFCs, HBFCs, carbon tetrachloride, etc.)	Prohibition of intentional addition	Montreal Protocol, JPN Ozone Layer Protection Law
A08	Polybrominated biphenyls (PBBs)	0.1wt% (1000 ppm) (*1)	EU RoHS Directive, EU REACH Regulation (Annex XVII)
A09	Polybrominated diphenylethers (PBDEs)	Prohibition of intentional addition (only for 4-7, 10 bromine atoms), or 0.1wt% (1000 ppm) (*1)	JPN CSCL (Class 1) (*7) U.S. TSCA PBT Rules (*8) EU RoHS Directive
A10	Polychlorinated biphenyls (PCBs)	Prohibition of intentional addition	JPN CSCL (Class 1) (*7), EU POPs Regulation
A11	Polychlorinated naphthalenes (more than 1 chlorine atoms) (*3)	Prohibition of intentional addition	JPN CSCL (Class 1) (*7) EU POPs Regulation
A12	Radioactive substances	Prohibition of intentional addition	JPN Act on Prevention of Radiation Hazards due to Radioisotopes, etc. JPN Nuclear Reactor Regulation Law

No.	Material/substance category	Threshold of concentration to be prohibited in supplies to Toshiba Group	Reference laws and regulations
A13	Certain short chain chlorinated paraffins (with a carbon chain length of between 10 and 13)	Prohibition of intentional addition, or 0.1wt% (1000 ppm)	JPN CSCL (Class 1) (*7), EU POPs Regulation
A14	Tributyl tin (TBT) and triphenyl tin (TPT)	0.1wt% (1000 ppm) of tin in the part (*4)	EU REACH Regulation (Annex XVII)
A15	Tributyl tin oxide (TBTO)	Prohibition of intentional addition, or 0.1wt% (1000 ppm) of tin in the part (*4)	JPN CSCL (Class 1) (*7), EU REACH Regulation (Annex XVII)
A16	(deleted)		
A17	(deleted)		
A18	(deleted)		
A19	(deleted)		
A20	(deleted)		
A21	(deleted)		
A22	(deleted)		
A23	(deleted)		
A24	(deleted)		
A25	(deleted)		
A26	(deleted)		
A27	(deleted)		
A28	(deleted)		
A29	(deleted)		
A30	(deleted)		
A31	(deleted)		
A32	(deleted)		
A33	2-(2H-1,2,3-benzotriazol-2-il)-4,6-di-tert-butylphenol (UV-320)	Prohibition of intentional addition	JPN CSCL (Class 1) (*7)
A34	(deleted)		
A35	(deleted)		
A36	(deleted)		
A37	Perfluoro (octane-1-sulfonic acid) (also known as PFOS) or its salt	Prohibition of intentional addition, or 0.1wt% (1000 ppm) (in the case of coated material, 1 microgram/m2)	JPN CSCL (Class 1) (*7), EU POPs Regulation
A38	Perfluoro (octane-1-sulfonyl) fluoride (also known as PFOSF)	Prohibition of intentional addition, or 0.1wt% (1000 ppm) (in the case of coated material, 1 microgram/m2)	JPN CSCL (Class 1) (*7) EU POPs Regulation
A39	Polychlorinated terphenyls (PCTs)	0.005wt% (50 ppm)	EU REACH Regulation (Annex XVII)
A40	Tri-substituted organostannic compounds (excluding A14 and A15)	0.1wt% (1000 ppm) of tin in the part (*4)	EU REACH Regulation (Annex XVII)
A41	Dimethyl fumarate (DMF)	0.00001wt% (0.1 ppm)	EU REACH Regulation (Annex XVII)
A42	(deleted)		
A43	(deleted)		
A44	(deleted)		

No.	Material/substance category	Threshold of concentration to be prohibited in supplies to Toshiba Group	Reference laws and regulations
A45	(deleted)		
A46	(deleted)		
A47	Dioctyltin compounds (DOT)	0.1wt% (1000 ppm) of tin in the part (*4, 5)	EU REACH Regulation (Annex XVII)
A48	Dibutyltin compounds (DBT)	0.1wt% (1000 ppm) of tin in the part (*4, 5)	EU REACH Regulation (Annex XVII)
A49	(deleted)		
A50	Hexabromocyclododecane (HBCD)	Prohibition of intentional addition, or 0.01wt% (100 ppm)	JPN CSCL (Class 1) (*7), EU POPs Regulation
A51	Certain polycyclic aromatic hydrocarbons (PAHs)	0.0001wt% (1 ppm) of the plastic or rubber part (*5)	EU REACH Regulation (Annex XVII)
A52	Bis (2-ethylhexyl) phthalate (DEHP)	0.1wt% (1000 ppm) (*6)	EU RoHS Directive, EU REACH Regulation (Annex XVII)
A53	Dibutyl phthalate (DBP)	0.1wt% (1000 ppm) (*6)	EU RoHS Directive, EU REACH Regulation (Annex XVII)
A54	Butyl benzyl phthalate (BBP)	0.1wt% (1000 ppm) (*6)	EU RoHS Directive, EU REACH Regulation (Annex XVII)
A55	Diisobutyl Phthalate (DIBP)	0.1wt% (1000 ppm) (*6)	EU RoHS Directive, EU REACH Regulation (Annex XVII)
A56	Phenol, isopropylated phosphate (PIP (3:1))	Prohibition of intentional addition	U.S. TSCA PBT Rules (* 8)
A57	Perfluorooctanoic acid (PFOA), its salts and PFOA-related substances	1. PFOA and its salts Prohibition of intentional addition or 0.0000025wt% (25 ppb) of PFOA including its salts in an article or a mixture 2. PFOA-related compounds 0.0001wt% (1 ppm) of one or a combination of PFOA-related compounds, in an article or a mixture	JPN CSCL (Class 1) (*7), EU POPs Regulation
A58	Perfluorocarboxylic acids containing C9 to C21 (C9-C21 PFCAs), their salts and C9-C21 PFCAs-related substances	1. C9-C14 PFCAs and their salts Prohibition of 0.0000025 wt% (25 ppb) of C9-C14 PFCAs including their salts in an article or a mixture 2. C9-C14 PFCAs-related substances 0.000026 wt% (260 ppb) of one or a combination of C9-C14 PFCAs-related substances, in an article or a mixture	EU REACH Regulation (Annex XVII)
		3. C9-C14 PFCAs and their salts and related compounds: Prohibition of intentional addition	JPN CSCL (Class 1)

No.	Material/substance category	Threshold of concentration to be prohibited in supplies to Toshiba Group	Reference laws and regulations
A59	Perfluorohexanesulfonic acid (PFHxS), its salt and PFHxS-related substances	1. PFHxS and its salts Prohibition of intentional addition or 0.0000025wt% (25 ppb) of PFHxS including its salts in an article or a mixture 2. PFHxS-related compounds 0.0001wt% (1 ppm) of one or a combination of PFHxS-related compounds, in an article or a mixture	JPN CSCL (Class 1) (*9), EU POPs Regulation
A60	Dechlorane Plus	Prohibition of intentional addition	JPN CSCL (Class 1) EU POPs Regulation
A61	UV-328	Prohibition of intentional addition	JPN CSCL (Class 1) EU POPs Regulation
A62	MCCP (containig C14 to 17 and chlorination levels at or exceeding 45 per cent chlorine by weight)	Prohibition of intentional addition	JPN CSCL (Class 1)

"Intentional addition" means using chemical substances intentionally in forming supply items to bring about specific properties, appearance, or quality.

(*1) The denominator when calculating a threshold value shall be for each homogeneous material. The threshold concentration of metal compound is the mass ratio of metal element to homogeneous material. For example, in the case of cadmium and its compounds, it is the concentration of cadmium element. Only applications exempt from the EU RoHS Directive (hereinafter RoHS) shall be exempt from the prohibition (including exemption applications accepted in the future).

(*2) For packaging materials, the threshold of concentration to be prohibited shall be 0.01wt% (100 ppm) for a total of four materials (cadmium and its compounds, hexavalent chromium compounds, lead and its compounds, and mercury and its compounds) for each homogeneous material composing the package. The threshold concentration of metal compound is the mass ratio of metal element to homogeneous material. For example, in the case of cadmium and its compounds, it is the concentration of cadmium element.

(*3) Polychlorinated naphthalene with 1 or more chlorine atoms is prohibited for products destined for the EU that require compliance with EU POPs regulations. Polychlorinated naphthalene with 2 or more chlorine atoms is prohibited for products for other regions.

(*4) The numerator when calculating a threshold value shall be an equivalent for metal tin (Sn), and the denominator shall be for each molded item or its component (including mixtures only for DBT). Intentional addition for biocides and industrial wastewater treatment applications is prohibited.

(*5) The target substance groups and uses are listed in Annex XVII of the EU REACH Regulation. However, only the applications allowed for use covered by the exemptions and time limits specified in Annex XVII of the EU REACH Regulation shall be exempt from the prohibition of use.

(*6) In the case of the scope of the EU RoHS Directive, it is prohibited to contain 0.1wt% (1000 ppm) or more of each homogeneous material for each substance. In the case of the scope of the EU REACH Regulation, the total content of phthalates is prohibited from containing 0.1wt% (1000 ppm) or more of the plasticized material. The applications that are out of scope of EU RoHS Directive or EU REACH Regulation, or are exempted from EU RoHS Directive or EU REACH Regulation shall be exempt from this regulation (including exemption applications accepted in the future).

(*7) CSCL: Chemical Substances Control Law of Japan

(*8) The regulations on the five persistent, bioaccumulative, and toxic (PBT) chemicals and PBT-containing products and articles in accordance with the TSCA (U.S. Toxic Substances Control Act) Section 6(h). At the moment, procurement items that are incorporated into articles whose destinations are clearly countries other than the U.S. are not subject to the regulations. In addition, among PIP (3:1), phase-in prohibitions and exemptions are excluded.

(*9) Under the CSCL PFHxS-related substances are excluded.

<Table 2> Rank B: Managed materials/substances (category)

No.	Material/substance category
B01	(deleted)
B02	(deleted)
B03	(deleted)
B04	Brominated flame retardants, other than PBBs (A08) and PBDEs (A09)
B05	Nickel and its compounds (only parts in contact with human bodies)
B06	Certain phthalates, other than DEHP (A52), DBP (A53), BBP (A54), DIBP (A55) and designated phthalates (B12)
B07	(deleted)
B08	(deleted)
B09	Perfluorocarbons (PFCs)
B10	Hydrofluorocarbons (HFCs)
B11	Sulfur hexafluoride (SF6)
B12	Substances of Very High Concern (SVHC) under the EU REACH Regulation (*10)
B13	(deleted)
B14	The U.S. TSCA PBT Rules (5 substances) (excluding DecaBDE (A09) and PIP (3:1) (A56)) (* 11)
B15	Next candidate substances for restriction under the EU RoHS Directive
B16	Next candidate substances for restriction under the Chemical Substances Control Law of Japan Class 1(*12)
B17	Per- and polyfluoroalkyl substances (PFASs) (*13) (*14)

(*10) The Substances of Very High Concern (SVHC) selected under the procedures specified in Article 59 of the EU REACH Regulation. The denominator shall be the total mass of a supply item or each component/material.

(*11) The regulations on the five persistent, bioaccumulative, and toxic (PBT) chemicals and PBT-containing products and articles in accordance with the TSCA (U.S. Toxic Substances Control Act) Section 6(h). At the moment, procurement items that are incorporated into articles whose destinations are clearly countries other than the U.S. are not subject to the regulations.

(*12) Substances that have been decided to be listed as POPs in Annex A (Elimination) and Annex B (Restriction) of Stockholm Convention are included. Substances will be moved to Rank A when it is determined to be the Chemical Substances Control Law of Japan (Class1).

(*13) PFAS as defined in the European Chemicals Agency's (ECHA) draft regulation of perfluoroalkyl compounds and polyfluoroalkyl substances (PFAS)

(*14) PFAS as defined in the Toxic Substances Control Act (TSCA), 40 CFR Part 705, § 705.3 Definitions in accordance with Section 8(a)(7)

Table of revisions

Established on: August 1, 2024

Edition No.	Date of establishment / revision	Reason and contents of revision
1.0	2024.8.1	Separated from Toshiba Group Green Procurement Guidelines and newly issued Added note on PFAS in Table 2 Rank B: Managed materials/substances (category) in accordance with the revision of the law Revised the description of (*11) and (*12) in Table 2 Rank B: Managed materials/substances (category)
2.0	2025.2.1	Table1 Rank A: Prohibited materials/substances (category) in accordance with the revision of the law A60 Dechlorane Plus (JPN CSCL (Class 1)) A61 UV-328 (JPN CSCL (Class 1))
2.1	2025.12.1	Added EU POPs Regulations on A60 and A61 in Table1 Rank A: Reference laws and regulations Added note (*13) of target substances on B16 in Table 2 Rank B
2.2	2026.6.25	Table1 Rank A: Prohibited materials/substances (category) in accordance with the revision of the law Added (JPN CSCL (Class 1)) on A58 Perfluorocarboxylic acids containing C9 to C21 (C9-C21 PFCAs), their salts and C9-C21 PFCAs-related substances , and revised material/substance (category) and threshold of concentration. Table1 Rank A: Prohibited materials/substances (category) in accordance with the revision of the law A62 MCCP (JPN CSCL (Class 1)) Table2 Rank B: Deleted note (*13) of target substances on B16 in Table 2 Rank B

(Ref.) Revision History of Toshiba Group Green Procurement Guidelines (~2024/1)

Edition No.	Date of establishment / revision	Reason and contents of revision
1	1999.12.1	Newly issued
2	2003.6.1	Reviewed contents and coverage of the List of Environment-Related Materials/Substances (in Products)
3	2006.11.1	Reviewed and totally revised the contents of the List of Environment-Related Materials/Substances (in Products)
4	2011.5.1	Totally revised by reviewing the List of Environment-Related Materials/Substances (in Products) and changing the control of contained chemical substances to the JAMP
4.1	2015.2.1	Reviewed contents of the List of Environment-Related Materials/Substances (in Products)
5	2017.1.1	1. Prohibited Materials/substances (category) (Appendix 1, Rank A): Revised annotation (*1) and (*2) and added (*5) 2. Managed materials/substances (category) (Appendix 2, Rank B): Changed annotation from (*5) to (*6)
5.1	2019.12.1	1. Revised Toshiba Group's Basic Policy for the Environment 2. Changed URL of JAMP 3. Replaced MSDSplus and AIS form as examples with chemSHERPA®
6	2021.2.1	1. Revised Toshiba Group's Basic Policy for the Environment 2. Revised the List of Environment-Related Materials/Substances (in Products)
6.1	2021.4.27	Revised the List of Environment-Related Materials/Substances (in Products) and the annotations
6.2	2021.11.1	Revised the List of Environment-Related Materials/Substances (in Products) and the annotations
7.0	2022.3.31	Added Purpose of Green Procurement and Scope of Application of Green Procurement based on Toshiba Group's Environmental Future Vision 2050;

Edition No.	Date of establishment / revision	Reason and contents of revision
		organized and integrated the Green Procurement Standards and Requests in accordance with the Vision, etc.
7.1	2022.8.25	1. C9-C14 PFCAs, their salts and C9-C14 PFCAs-related substances (A58) added to Rank A: Prohibited materials/substances of List of Environment-Related Materials/Substances (in Products) (Appendix 1) 2. Deleted EU REACH Regulation (Annex XVII) from reference laws and regulations of Polychlorinated biphenyls (PCBs) (A10) (Appendix 1)
8.0	2023.4.7	Revision of "5. Requests to Suppliers. " Mainly revision of the standards and notes of "5.1 Promotion of environmental management in accordance with Toshiba Group's Procurement Standards. "
8.1	2023.7.13	Revision of the diagram "Breakdown of Greenhouse Gas Reduction Targets Toward Carbon Neutrality," revision of "<Appendix 2> Toshiba Group List of Environment-Related Materials/Substances (in Products) Rank B: Managed materials/substances (category)" (B16,B17), revision of back cover (adding notes for Basic Commitment of the Toshiba Group) etc.
8.2	2024.1.18	PFHxS, its salt and PFHxS-related substances (A59) added to Rank A: Prohibited materials/substances of List of Environment-Related Materials/Substances (in Products) (Appendix 1)